

## Coast Guard, DHS

## § 160.001-2

- 160.151-31 Production inspections and tests of inflatable liferafts.
- 160.151-33 Marking and labeling.
- 160.151-35 Servicing.
- 160.151-37 Servicing manual.
- 160.151-39 Training of servicing technicians.
- 160.151-41 Approval of servicing facilities.
- 160.151-43 Conditions at servicing facilities.
- 160.151-45 Equipment required for servicing facilities.
- 160.151-47 Requirements for owners or operators of servicing facilities.
- 160.151-49 Approval of servicing facilities at remote sites.
- 160.151-51 Notice of approval.
- 160.151-53 Notice to OCM of servicing.
- 160.151-55 Withdrawal of approval.
- 160.151-57 Servicing procedure.
- 160.151-59 Operating instructions and information for the ship's training manual.
- 160.151-61 Maintenance instructions.

### Subpart 160.171—Immersion Suits

- 160.171-1 Scope.
- 160.171-3 Incorporation by reference.
- 160.171-5 Independent laboratory.
- 160.171-7 Approval procedures.
- 160.171-9 Construction.
- 160.171-11 Performance.
- 160.171-13 Storage case.
- 160.171-15 Instructions.
- 160.171-17 Approval testing for adult size immersion suit.
- 160.171-19 Approval testing for child size immersion suit.
- 160.171-23 Marking.
- 160.171-25 Production testing.

### Subpart 160.174—Thermal Protective Aids

- 160.174-1 Scope.
- 160.174-3 Incorporation by reference.
- 160.174-5 Independent laboratory.
- 160.174-7 Approval procedures.
- 160.174-9 Construction.
- 160.174-11 Performance.
- 160.174-13 Storage case.
- 160.174-15 Instructions.
- 160.174-17 Approval testing.
- 160.174-23 Marking.
- 160.174-25 Production testing.

### Subpart 160.176—Inflatable Lifejackets

- 160.176-1 Scope.
- 160.176-2 Application.
- 160.176-3 Definitions.
- 160.176-4 Incorporation by reference.
- 160.176-5 Approval procedures.
- 160.176-6 Procedure for approval of design or material revision.
- 160.176-7 Independent laboratories.
- 160.176-8 Materials.
- 160.176-9 Construction.
- 160.176-11 Performance.
- 160.176-13 Approval Tests.
- 160.176-15 Production tests and inspections.

- 160.176-17 Manufacturer records.
- 160.176-19 Servicing.
- 160.176-21 User manuals.
- 160.176-23 Marking.

AUTHORITY: 46 U.S.C. 2103, 3306, 3703 and 4302; E.O. 12234, 45 FR 58801, 3 CFR, 1980 Comp., p. 277; 49 CFR 1.46.

### Subpart 160.001—Life Preservers, General

#### § 160.001-1 Scope.

(a) This subpart contains the general:  
(1) Characteristics of life preservers (Type I personal flotation devices (PFDs));

(2) Approval procedures for life preservers; and

(3) Production oversight requirements for life preservers.

(b) Other subparts in this part specify the detailed requirements for standard type life preservers and may supplement the requirements in this subpart.

[CGD 95-028, 62 FR 51209, Sept. 30, 1997]

#### § 160.001-2 General characteristics of life preservers.

(a) A life preserver must be of such construction, material and workmanship that it can perform its intended function in all weathers and at all temperatures which may be expected in the normal usage of the life preserver. All components used in the construction of a life preserver must meet the applicable requirements of subpart 164.019 of the chapter.

(b) A life preserver must be capable of supporting a minimum of 22 pounds in fresh water for 48 hours.

(c) Life preservers which depend upon loose or granulated material for buoyancy are prohibited.

(d) A life preserver must be:

(1) Simple in design;

(2) Capable of being:

(i) Worn inside-out,

(ii) worn clearly in only one way, or

(iii) Donned correctly without demonstration, instructions, or assistance by at least 75 percent of persons unfamiliar with the design; and

(3) Capable of being quickly adjusted for a secure fit to the body of wearers for which it is intended.

(e) A life preserver shall support the wearer in the water in an upright or slightly backward position, and shall

## § 160.001-3

## 46 CFR Ch. I (10-1-03 Edition)

provide support to the head so that the face of an unconscious or exhausted person is held above the water.

(f) A life preserver shall be capable of turning the wearer, upon entering the water, to a safe flotation position as described in paragraph (e) of this section.

(g) A life preserver shall not be appreciably deteriorated or rendered unable to perform its intended function by common oils or oil products.

(h) A life preserver shall be of a highly visible color, such as Indian Orange, International Orange, or Scarlet Munsell Red.

(i) A life preserver shall be of such construction, materials, and workmanship as to be at least equivalent to a standard type life preserver described in detail by other subparts in this part.

(j) Each thread in a life preserver regulated under subparts 160.002, 160.005 and 160.055 of this part must meet the requirements of a Federal or military specification in table 164.023-5(a) of this chapter. Only one kind of thread may be used in each seam.

[CGFR 66-33, 31 FR 15297, Dec. 6, 1966, as amended by CGD 78-012, 43 FR 27152, June 22, 1978; CGD 78-174b, 54 FR 50320, Dec. 5, 1989; CGD 84-068, 58 FR 29493, May 20, 1993; CGD 95-028, 62 FR 51209, Sept. 30, 1997]

### § 160.001-3 Procedure for approval.

(a) *General.* Designs of life preservers are approved only by the Commandant, U.S. Coast Guard. Manufacturers seeking approval of a life preserver design shall follow the procedures of this section and subpart 159.005 of this chapter.

(b) Each application for approval of a life preserver must contain the information specified in § 159.005-5 of this chapter. The application and, except as provided in paragraphs (c) and (d)(2) of this section, a prototype life preserver must be submitted to the Commandant for preapproval review. If a similar design has already been approved, the Commandant may waive the preapproval review under §§ 159.005-5 and 159.005-7 of this chapter.

(c) If the life preserver is of a standard design, as described by subpart 160.002, 160.005, or 160.055, the application:

(1) Must include the following: A statement of any exceptions to the

standard plans and specifications, including drawings, product description, construction specifications, and/or bill of materials.

(2) Need not include: The information specified in § 159.005-5(a)(2).

(d) If the life preserver is of a non-standard design, the application must include the following:

(1) Plans and specifications containing the information required by § 159.005-12 of this chapter, including drawings, product description, construction specifications, and bill of materials.

(2) The information specified in § 159.005-5(a)(2) (i) through (iii) of this chapter, except that, if preapproval review has been waived, the manufacturer is not required to send a prototype PFD sample to the Commandant.

(3) Performance testing results of the design performed by an independent laboratory, that has a Memorandum of Understanding with the Coast Guard under § 159.010-7 of this subchapter covering the in-water testing of personal flotation devices, showing equivalence to the standard design's performance in all material respects.

(4) The Approval Type sought (Type I or Type V).

(5) Any special purpose(s) for which the life preserver is designed and the vessel(s) or vessel type(s) on which its use is intended.

(6) Buoyancy and other relevant tolerances to be complied with during production.

(7) The text of any optional marking to be included on the life preserver in addition to the markings required by the applicable approval subpart.

(8) For any conditionally approved life preserver, the intended approval condition(s).

(e) The description of quality control procedures required by § 159.005-9 of this chapter may be omitted if the manufacturer's planned quality control procedures meet the requirements of those accepted by the Commandant for the independent laboratory performing production inspections and tests.

(f) *Waiver of tests.* A manufacturer may request that the Commandant waive any test prescribed for approval under the applicable subpart. To request a waiver, the manufacturer must